FIG.1

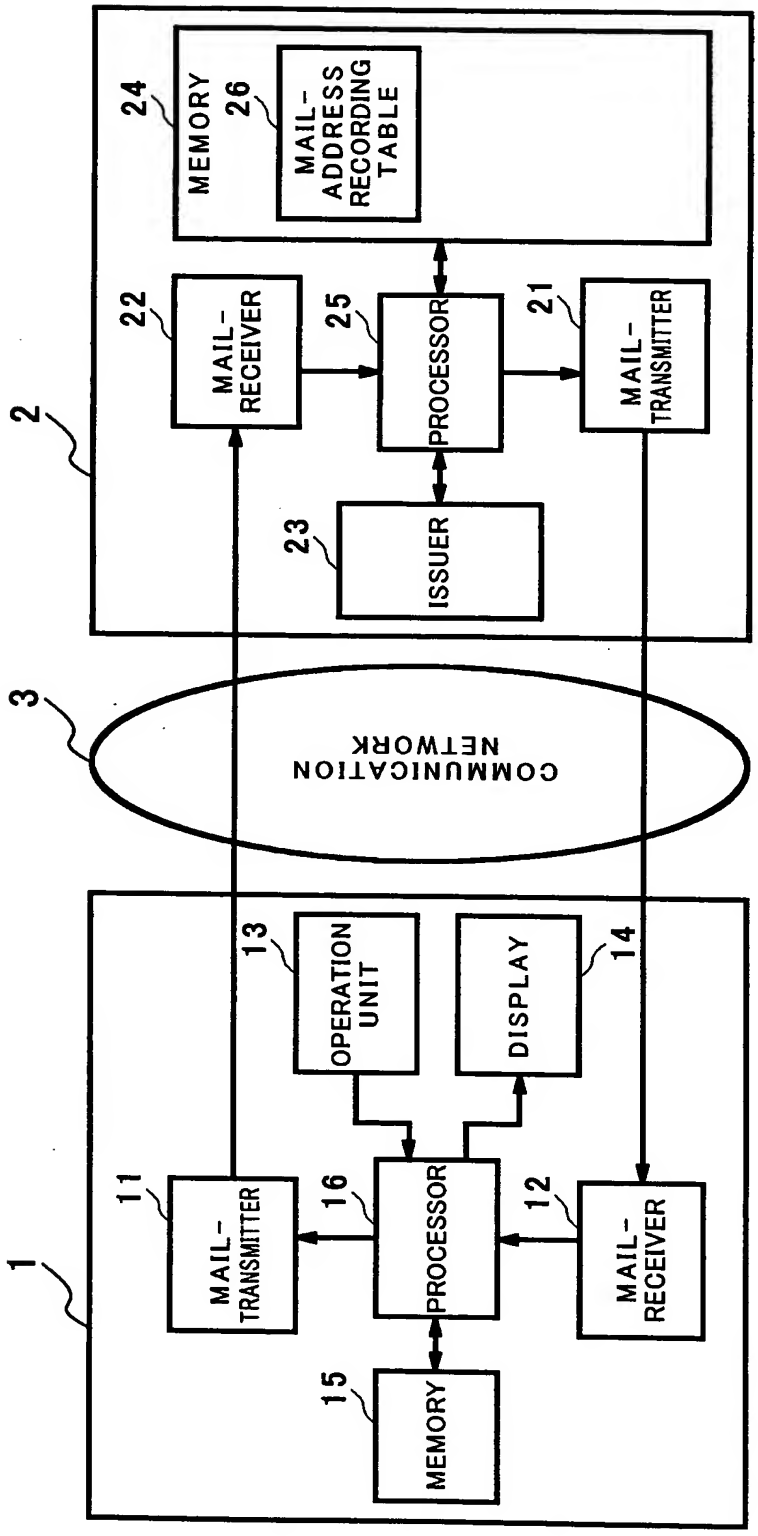

1
2
3
MEMORY
24
MAIL-ADDRESS RECORDING TABLE
26
MAIL-RECEIVER
22
PROCESSOR
25
MAIL-TRANSMITTER
21
ISSUER
23
COMMUNICATION NETWORK
OPERATION UNIT
13
DISPLAY
14
MAIL-TRANSMITTER
11
PROCESSOR
16
MAIL-RECEIVER
12
MEMORY
15

FIG.2

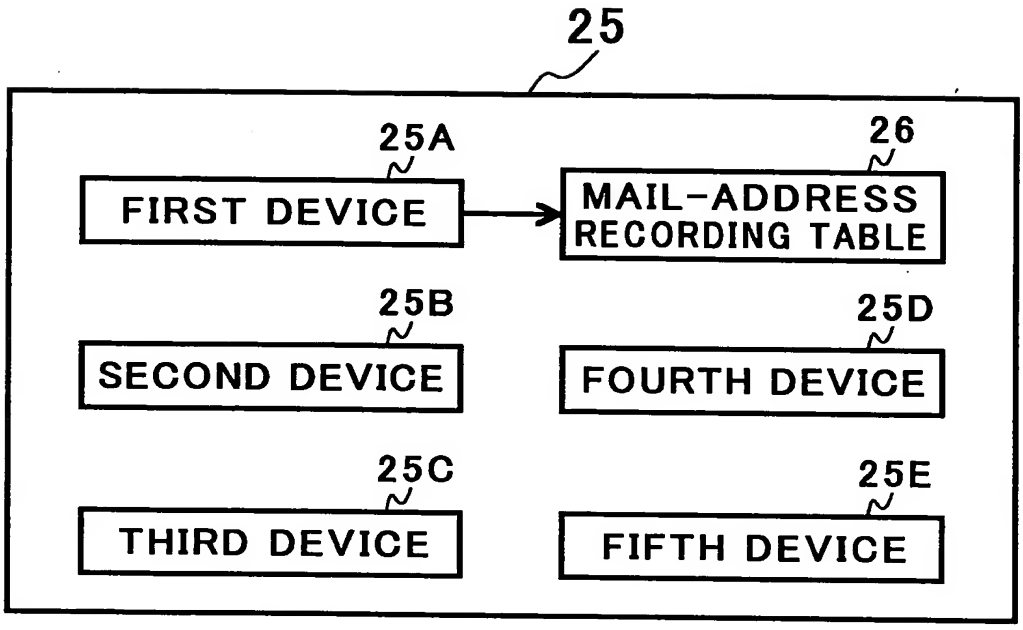

25
25A
FIRST DEVICE
26
MAIL-ADDRESS RECORDING TABLE
25B
SECOND DEVICE
25D
FOURTH DEVICE
25C
THIRD DEVICE
25E
FIFTH DEVICE

FIG.3

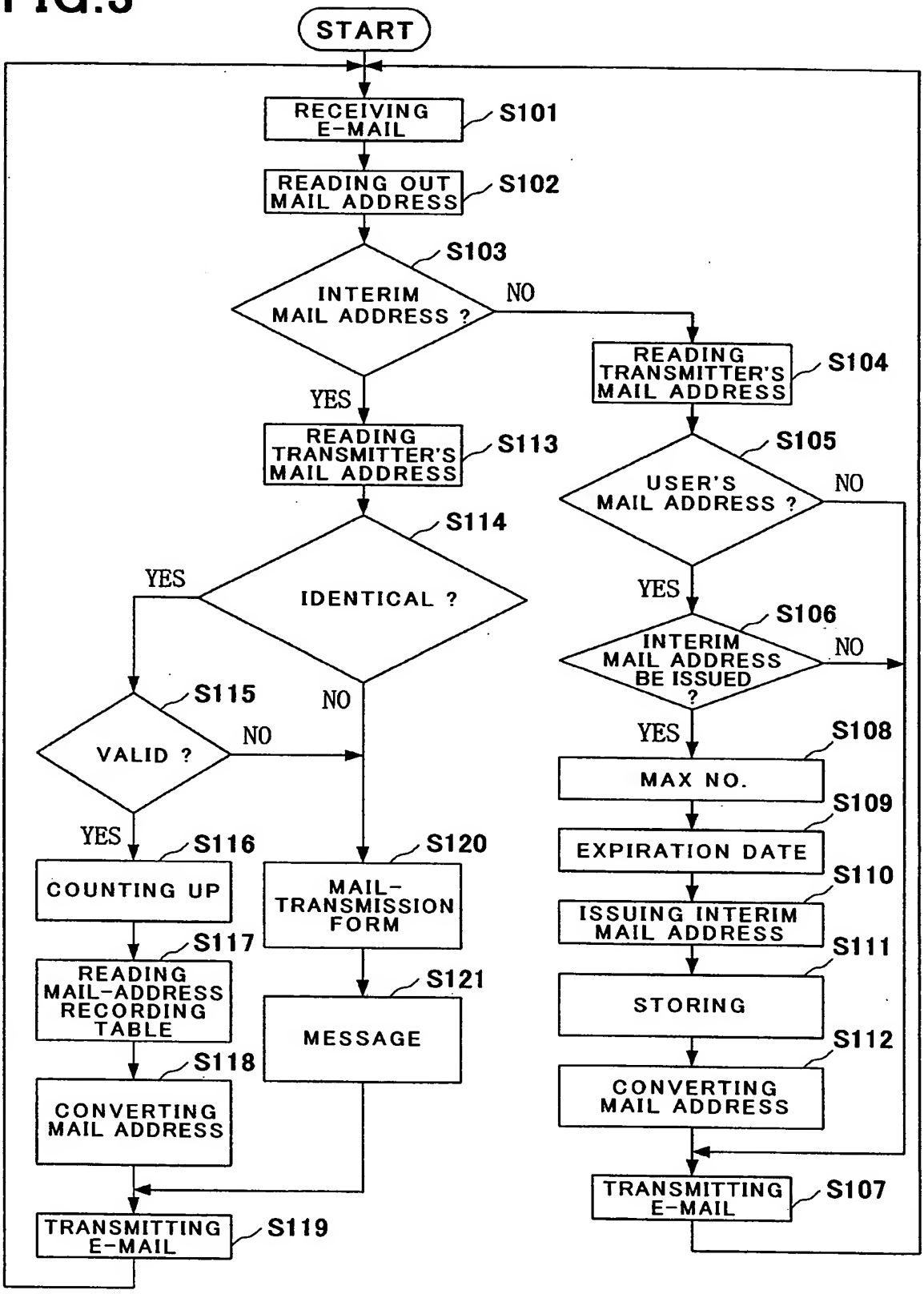

START
RECEIVING E-MAIL
S101
READING OUT MAIL ADDRESS
S102
S103
INTERIM MAIL ADDRESS ?
NO
YES
READING TRANSMITTER'S MAIL ADDRESS
S104
READING TRANSMITTER'S MAIL ADDRESS
S113
S105
USER'S MAIL ADDRESS ?
NO
YES
S114
IDENTICAL ?
YES
NO
S106
INTERIM MAIL ADDRESS BE ISSUED ?
NO
YES
S115
VALID ?
NO
YES
S108
MAX NO.
S109
EXPIRATION DATE
S110
ISSUING INTERIM MAIL ADDRESS
S111
STORING
S112
CONVERTING MAIL ADDRESS
S116
COUNTING UP
S120
MAIL-TRANSMISSION FORM
S117
READING MAIL-ADDRESS RECORDING TABLE
S121
MESSAGE
S118
CONVERTING MAIL ADDRESS
TRANSMITTING E-MAIL
S119
TRANSMITTING E-MAIL
S107

FIG.4

26

	MAIL ADDRESS OF USER	INTERIM MAIL ADDRESS	MAIL ADDRESS OF MAIL-RECEIVER	MAX NO.	NO. OF RECEIPT	EXPIRATION DATE	FLAG
USER A	aa@jp.com	xyz@jp.com	zz@jp.com	3	2	–	1
USER B	bb@jp.com	uvw@jp.com	yy@jp.com	1	1	–	0
USER C	cc@jp.com	rst@jp.com	xx@jp.com	2	1	4/1/2003 13:10	0
USER D	dd@jp.com	opq@jp.com	ww@jp.com	3	1	4/9/2003 08:00	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG.5

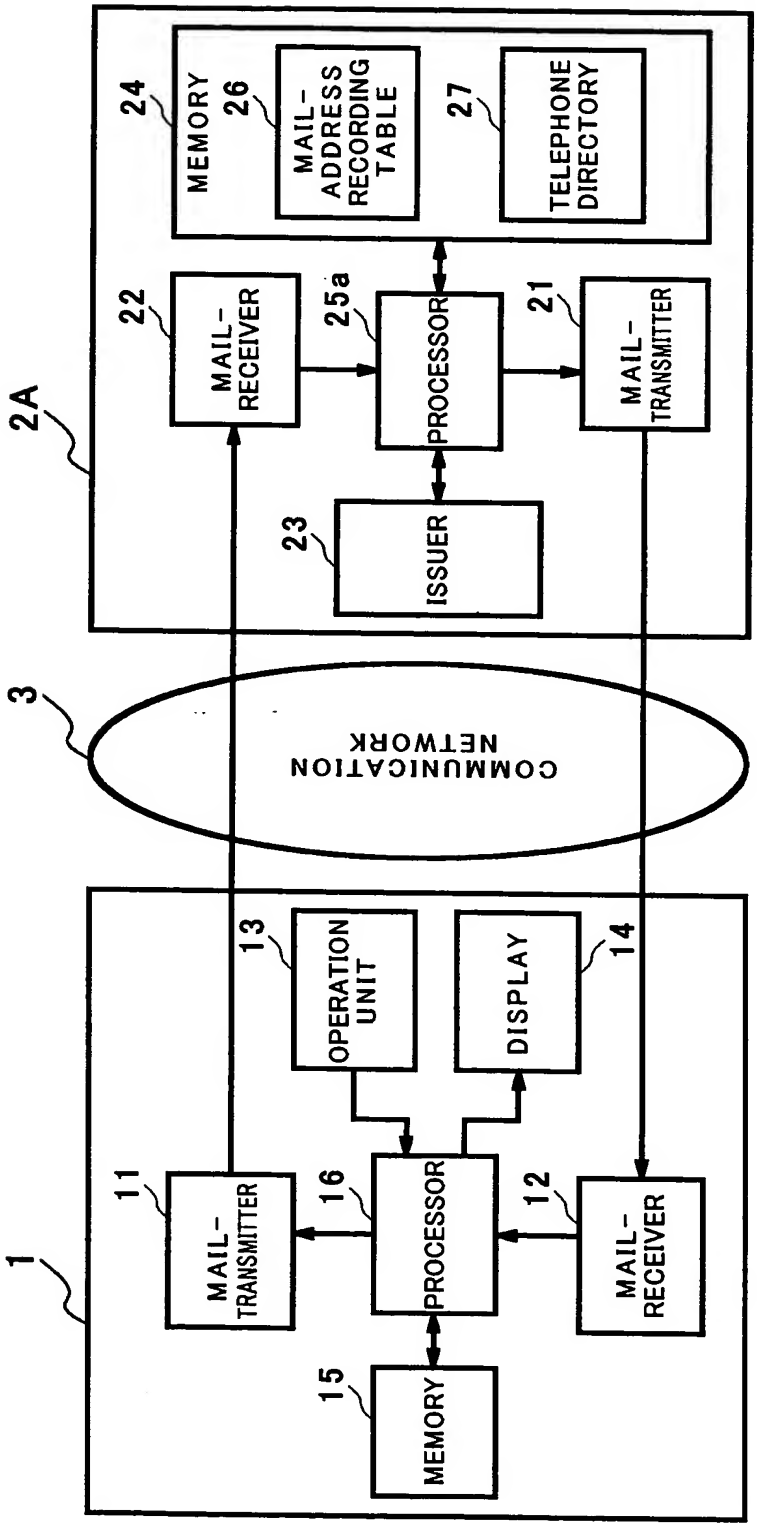

1
2A
3
COMMUNICATION NETWORK
MAIL-TRANSMITTER
11
MAIL-RECEIVER
22
PROCESSOR
16
25a
PROCESSOR
12
MEMORY
15
MEMORY
24
MAIL-ADDRESS RECORDING TABLE
26
TELEPHONE DIRECTORY
27
ISSUER
23
MAIL-TRANSMITTER
21
OPERATION UNIT
13
DISPLAY
14

FIG.6

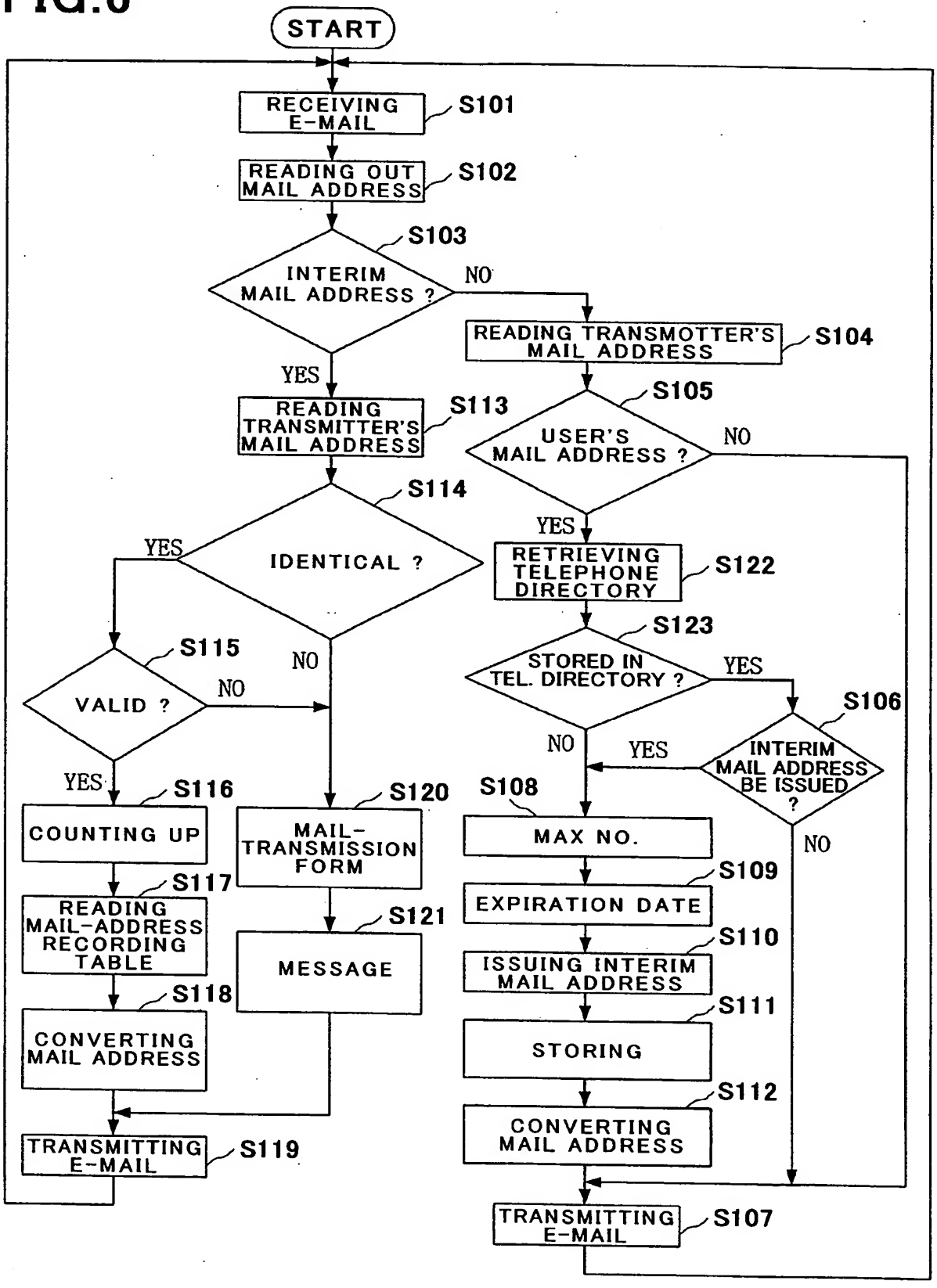

START
RECEIVING E-MAIL
S101
READING OUT MAIL ADDRESS
S102
S103
INTERIM MAIL ADDRESS ?
NO
YES
READING TRANSMOTTER'S MAIL ADDRESS
S104
READING TRANSMITTER'S MAIL ADDRESS
S113
S105
USER'S MAIL ADDRESS ?
NO
YES
S114
IDENTICAL ?
YES
NO
RETRIEVING TELEPHONE DIRECTORY
S122
S123
STORED IN TEL. DIRECTORY ?
YES
NO
S106
INTERIM MAIL ADDRESS BE ISSUED ?
YES
NO
S115
VALID ?
NO
YES
S116
COUNTING UP
S117
READING MAIL-ADDRESS RECORDING TABLE
S118
CONVERTING MAIL ADDRESS
S120
MAIL-TRANSMISSION FORM
S121
MESSAGE
S108
MAX NO.
S109
EXPIRATION DATE
S110
ISSUING INTERIM MAIL ADDRESS
S111
STORING
S112
CONVERTING MAIL ADDRESS
TRANSMITTING E-MAIL
S119
TRANSMITTING E-MAIL
S107

FIG.7

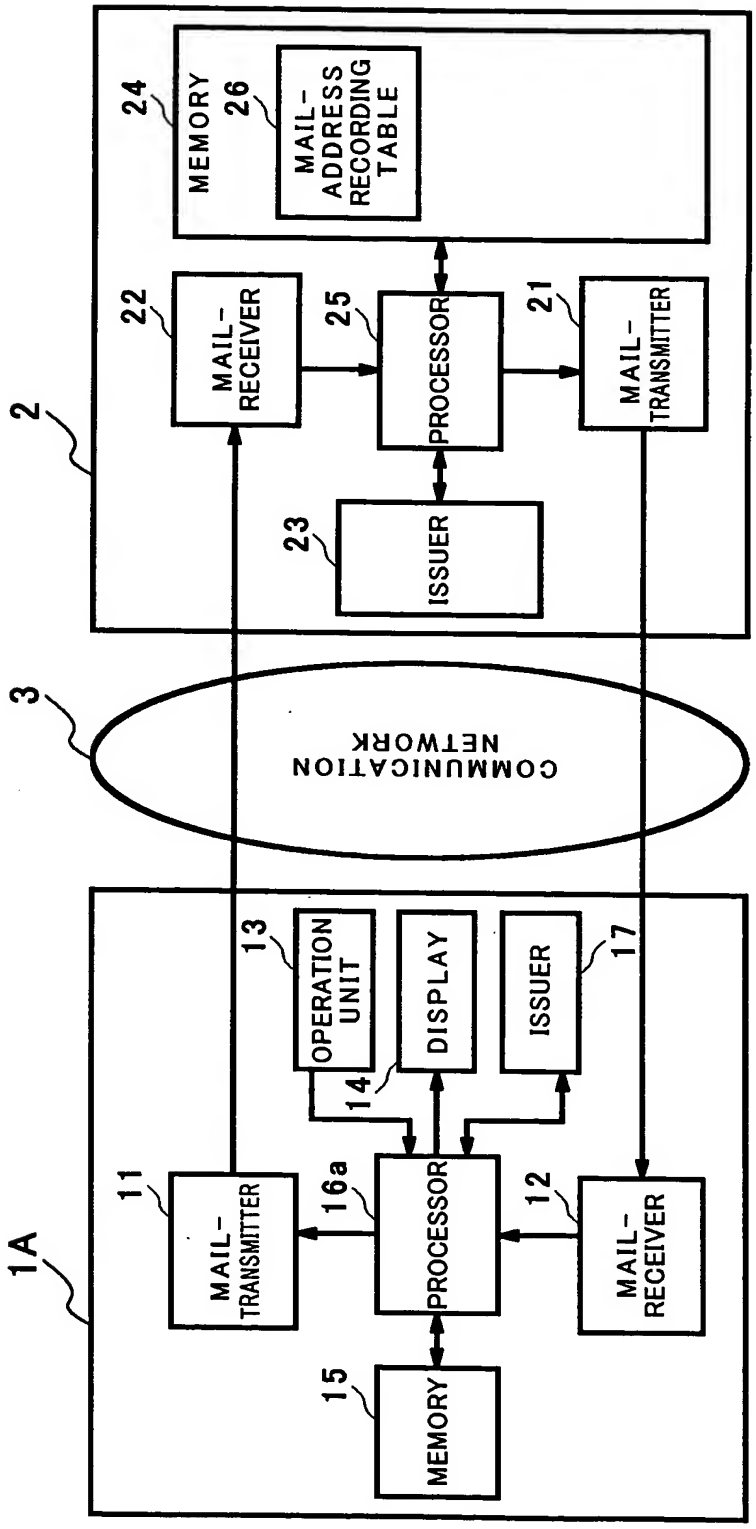

1A
2
3
COMMUNICATION NETWORK
MAIL-TRANSMITTER
11
16a
PROCESSOR
12
MAIL-RECEIVER
MEMORY
15
OPERATION UNIT
13
DISPLAY
14
ISSUER
17
MAIL-RECEIVER
22
PROCESSOR
25
MAIL-TRANSMITTER
21
ISSUER
23
MEMORY
24
MAIL-ADDRESS RECORDING TABLE
26

FIG.8

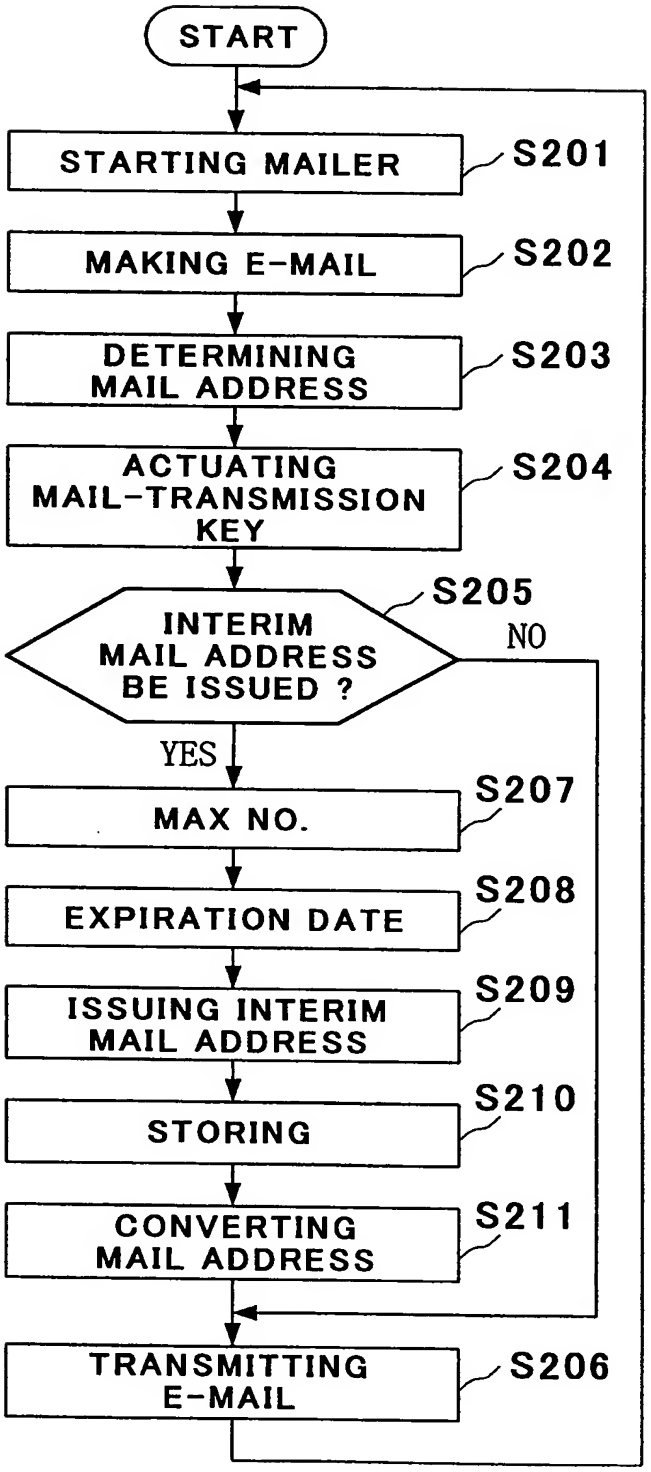

START
STARTING MAILER
S201
MAKING E-MAIL
S202
DETERMINING MAIL ADDRESS
S203
ACTUATING MAIL-TRANSMISSION KEY
S204
INTERIM MAIL ADDRESS BE ISSUED ?
S205
NO
YES
MAX NO.
S207
EXPIRATION DATE
S208
ISSUING INTERIM MAIL ADDRESS
S209
STORING
S210
CONVERTING MAIL ADDRESS
S211
TRANSMITTING E-MAIL
S206

FIG.9

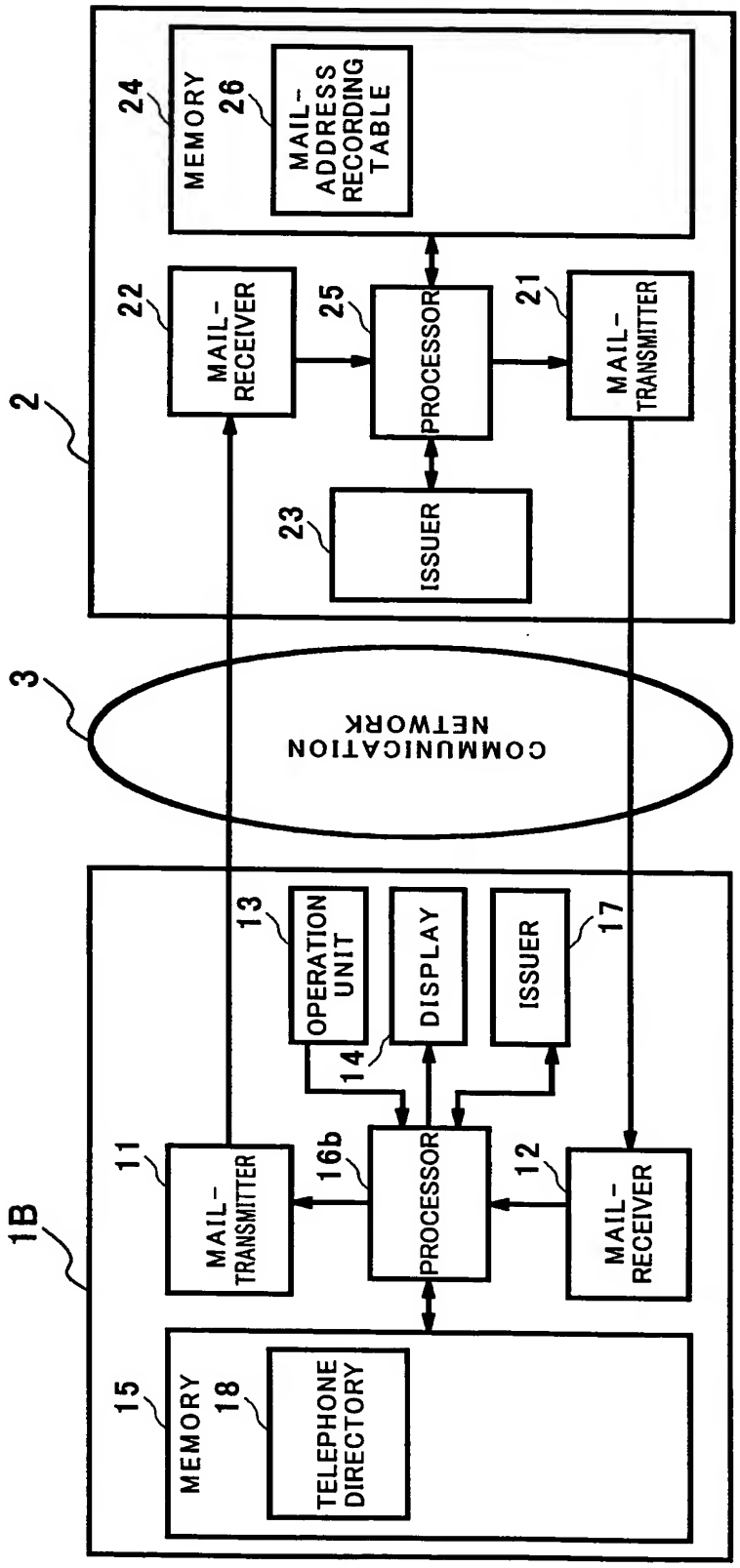
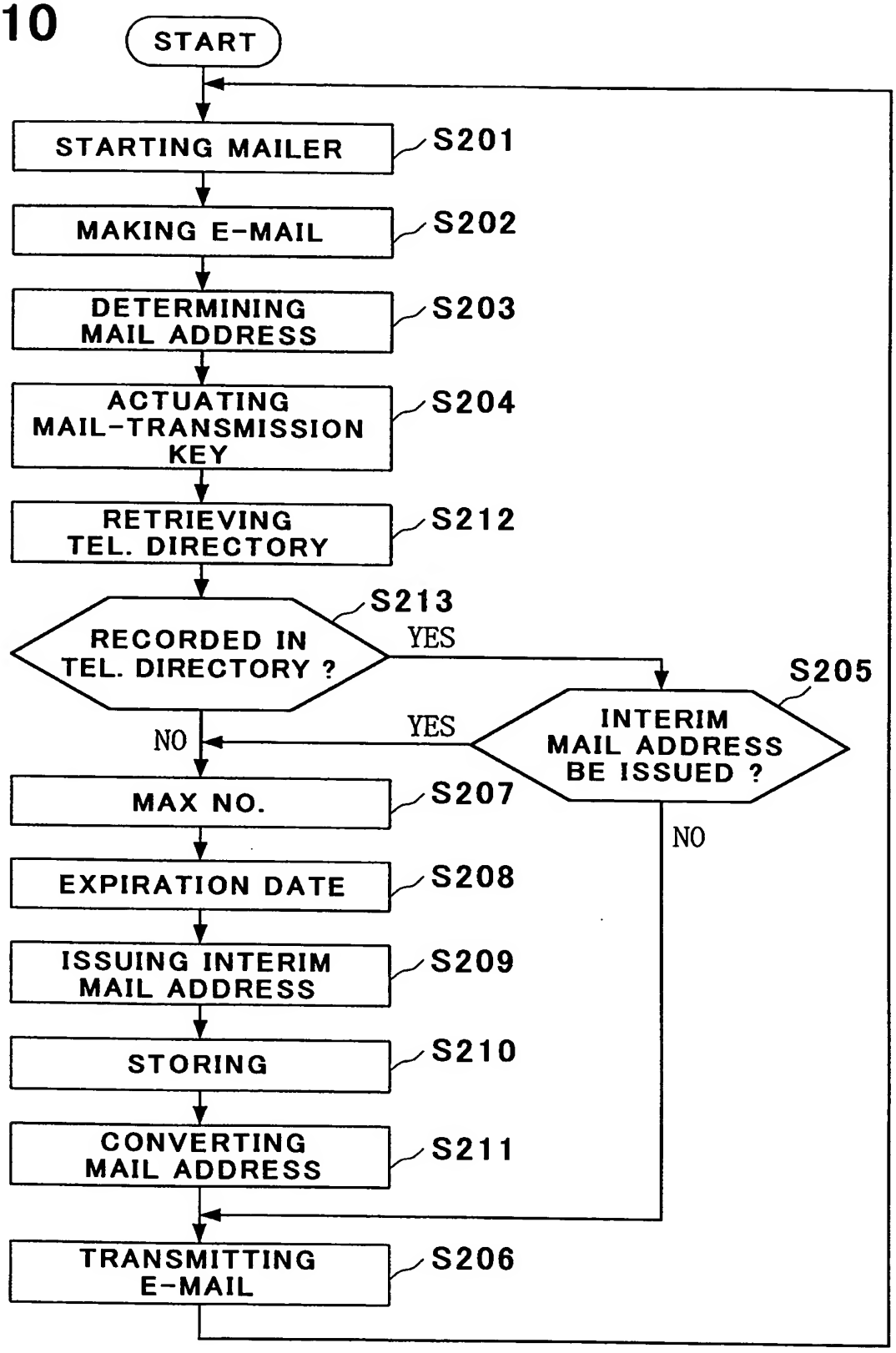

2
MEMORY
24
MAIL-ADDRESS RECORDING TABLE
26
MAIL-RECEIVER
22
PROCESSOR
25
MAIL-TRANSMITTER
21
ISSUER
23
3
COMMUNICATION NETWORK
1B
OPERATION UNIT
13
DISPLAY
14
ISSUER
17
MAIL-TRANSMITTER
11
16b
PROCESSOR
12
MAIL-RECEIVER
MEMORY
15
TELEPHONE DIRECTORY
18

FIG.10


START
STARTING MAILER
S201
MAKING E-MAIL
S202
DETERMINING MAIL ADDRESS
S203
ACTUATING MAIL-TRANSMISSION KEY
S204
RETRIEVING TEL. DIRECTORY
S212
RECORDED IN TEL. DIRECTORY ?
S213
YES
NO
INTERIM MAIL ADDRESS BE ISSUED ?
S205
YES
NO
MAX NO.
S207
EXPIRATION DATE
S208
ISSUING INTERIM MAIL ADDRESS
S209
STORING
S210
CONVERTING MAIL ADDRESS
S211
TRANSMITTING E-MAIL
S206